



**\*09837604\***

OIPE

Does Not Comply  
Corrector's Note Needed

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/837,604

DATE: 01/02/2003

TIME: 09:21:05

Input Set : D:\Pa\_00346.rpt

Output Set: N:\CRF4\01022003\I837604.raw

1 <110> APPLICANT: Bougri, Olegs  
2 Byrum, Joseph R.  
3 De La Pena, Robert C.  
4 La Rosa, Thomas J.  
5 Shukla, Hridayabhiranjan  
7 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
8 Plants  
10 <130> FILE REFERENCE: 38-21(51892)B  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/837,604  
C--> 12 <141> CURRENT FILING DATE: 2002-12-13  
12 <150> PRIOR APPLICATION NUMBER: US 60/197,872  
14 <151> PRIOR FILING DATE: 2000-04-19  
16 <160> NUMBER OF SEQ ID NOS: 81288

**ERRORED SEQUENCES**

44 <210> SEQ ID NO: 2  
45 <211> LENGTH: 306  
46 <212> TYPE: DNA  
47 <213> ORGANISM: Oryza sativa nipponbare  
49 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A11  
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53 gaaggatgac cagggtgcag tggttctcaa gcatacttgg tagacatcat cccaagttaa 60  
55 aacacaaaaa aaaagataat ccggacgact tacaattaac cgagaaatcg aactgacatc 120  
57 atcccaagtt caaacacata aaatgagaat cccgacgact tacaattaaa cgagaaatcg 180  
59 tactgaaaat catgtgccga aacagcctaa cattttcttt gcctcaaggc gaacaatata 240  
61 cactgagaat cccacataac tatctggata catttgaaag tcaggaatag cacaaaatcc 300  
63 acctgt 306  
66 <210> SEQ ID NO: 3  
67 <211> LENGTH: 70  
68 <212> TYPE: DNA  
69 <213> ORGANISM: Oryza sativa nipponbare  
71 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A12  
E--> 73 <400> SEQUENCE: 3  
75 caatcataac caccgccccg agtttttaaataaaaaatcacc tcctccacac taatcctcac 60  
77 tcaataactca 70  
80 <210> SEQ ID NO: 4  
81 <211> LENGTH: 534  
82 <212> TYPE: DNA  
83 <213> ORGANISM: Oryza sativa nipponbare  
85 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A2  
E--> 87 <400> SEQUENCE: 4

*missing mandatory <220> Throughout*

*4207*

*4207*

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89 caagaacagc ttttttggag ttctctagaa tatttttagt ccaaacaaga atttacatgt 60
91 acaaaataact acatgtacga ctatattaat cacataaatc gactgaacaa atttacaccg 120
93 acacgtatca acctcatcta atgaacacat agcaacttgc cctcaaaaaa aacacacaca 180
95 cacatacaac ttgagtacca gtgagcttac ttcaggagct tggattcgat ctcctccaaa 240
97 tgaaagtctt taatctttgg aacttttagg gtgacaaaaca caagggagag caacgatatg 300
99 gctccaaata gaaggaaaat attggctggg ccaaagaatt ccttgaaggg tggaaaggca 360
101 aatggtacca gtggaatttg agccgaaatt ttgtaagtac tgcaaggctg atcccacgtt 420
103 ctcttgttcg gagtgggaag atctcagaaa ccattagcca acttattgga ccaaacgata 480
105 cctggtgaaga accgacatac agaagtaaag caccaacagc gacaaaaggg aagc 534

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164 &lt;210&gt; SEQ ID NO: 7

165 &lt;211&gt; LENGTH: 214

166 &lt;212&gt; TYPE: DNA

167 &lt;213&gt; ORGANISM: Oryza sativa nipponbare

169 &lt;223&gt; OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A6

E--&gt; 171 &lt;400&gt; SEQUENCE: 7

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173 gggggggaat tttttttaa attaatgtt gaaaaaaatt ttttttctgg ctttgggaaa 60
175 aaatttgaa tgattaaaaa gggaaattta aaaattttta ttgaaaaatt ttaaataaaa 120
177 gacaagggtt ttggcccct aaaaacaaaa aaaaaaattt ggggggtttt tttgcctaaa 180
179 aattaaacat aaagttttga gccttttttt tttt 214

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182 &lt;210&gt; SEQ ID NO: 8

183 &lt;211&gt; LENGTH: 404

184 &lt;212&gt; TYPE: DNA

185 &lt;213&gt; ORGANISM: Oryza sativa nipponbare

187 &lt;223&gt; OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A8

E--&gt; 189 &lt;400&gt; SEQUENCE: 8

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191 gccctcagac ttgatccttt aaagcgacag cctttgtttt ttttttttaa ctacaacagt 60
193 gctggagggt gggggaatat ttcgaggcca aacaagagtt cacatataca aaatactacc 120
195 tgtgcaagta tattaaggac ataaattgac tgaacaaatt tacaccgcca cgtatcaact 180
197 tcatgttatg aaggggagaac agcttgccct caagaaaaac acacacacac atacaacttg 240
199 tggaccagtg agcttacttc aggagcttgg aatcgatctc ctccaatgta aagcctatag 300
201 tctctggaac tcttaggatg acaaacacag agcagggcaa cgatatggct ccaaatagaa 360
203 ggaaaatatg ggctgccccca aggaatttct gcttgggtga aaag 404

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206 &lt;210&gt; SEQ ID NO: 9

207 &lt;211&gt; LENGTH: 279

208 &lt;212&gt; TYPE: DNA

209 &lt;213&gt; ORGANISM: Oryza sativa nipponbare

211 &lt;223&gt; OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B1

E--&gt; 213 &lt;400&gt; SEQUENCE: 9

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215 aatccacttg taaatatattg tttgtgtttt tttcttcgat gtatataaac tctattttat 60
217 tatttaatac tccatccgtt ttgaaatgtt tgacgccgtt gactttttat cacatgtttg 120
219 accgttcgtc ttattcaaaa aatttaagta attattaatt tttttccatt catttaattc 180
221 attattaaat atatttttat gcgggcatat aattttacat atctgacaaa agtttttgaa 240
223 taagaccaac ggtcaaacat gtgcttaaaa ggcacggtc 279

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226 &lt;210&gt; SEQ ID NO: 10

227 &lt;211&gt; LENGTH: 465

228 &lt;212&gt; TYPE: DNA

229 &lt;213&gt; ORGANISM: Oryza sativa nipponbare

231 &lt;223&gt; OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B11

E--&gt; 233 &lt;400&gt; SEQUENCE: 10

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/09/837,604**

DATE: 01/02/2003  
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Input Set : D:\Pa\_00346.rpt  
 Output Set: N:\CRF4\01022003\I837604.raw

235 aactgggtag tttgcttgga gtittatgaa tgaatacact acaaacagct aattacattg 60  
 237 accaacctaa tgagggtttt gactgagcag ctaaatacatc acagcaaata ggcagtacgc 120  
 239 agagcggtcac aaaagtaaacc ccaacgctaa gctattacca tatagataca actgcctttc 180  
 241 aaaatattct ggacaaccaa cgagtacctt gtcgacaacc taccacctac atgctctgaa 240  
 243 aatgctgggtg atcggcgata tcatcatatt ccgcaaaagt tgcgtgagcc ccatctccaa 300  
 245 cagatgcatac atcctctgtg acggcaaacc caggtccaat cacatcgacg ctacaagatg 360  
 247 agcttagcct gtcgcctgga tggacacaaa gatgtttcct cacattcatt tcaggcacgt 420  
 249 cagtaaggac tgcagggaga atgttcacca gctggggatt acttg 465

252 <210> SEQ ID NO: 11

253 <211> LENGTH: 233

254 <212> TYPE: DNA

255 <213> ORGANISM: Oryza sativa nipponbare

257 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B3

E--> 259 <400> SEQUENCE: 11

261 ctatacacta tctatgacct agcattcaca cctacacaaa cttaaatcct ctacatctac 60  
 263 acccctcttc tttttttttt aatacaatat taaaaacaac cttcgatttt ttttacattc 120  
 265 aaaaccaact ctattctatt aaataatcct tcacacaata taaaaatata ccactccacc 180  
 267 taatattacc cacacatctt acatacactc ctttattaca caacccttcc tct 233

270 <210> SEQ ID NO: 12

271 <211> LENGTH: 467

272 <212> TYPE: DNA

273 <213> ORGANISM: Oryza sativa nipponbare

275 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B5

E--> 277 <400> SEQUENCE: 12

279 gaaaaatagc gccggagtcg ctgtttcagg tacaagtitt gagttcaggt tggcatcaag 60  
 281 ccgcaagatt ttattctgga gcacaacatc tcggtgcccc agcagatcgg ggcagaacaa 120  
 283 cagtcaaac accaaattcga gggaccccc ctctagtcca catttgaatt gttagaattct 180  
 285 gcataggttg cctagtctgc gtgagcaaac ttgatgccct tctcaatcga agacttgagc 240  
 287 tcacccttca ggttctccag accctccttt taaaactcgg aaagctggcc cagcccaagt 300  
 289 acttctcca ctccgttctt gccaaagcctt acctttgagg cgaagaatgg cagctctgtt 360  
 291 actgttgatt gcacaaaaga gcactctaca acatcaggaa ctccattaag ccccttcaag 420  
 293 cagcatctg caaataaccgc accagcatat gccatagaca atgttgc 467

296 <210> SEQ ID NO: 13

297 <211> LENGTH: 298

298 <212> TYPE: DNA

299 <213> ORGANISM: Oryza sativa nipponbare

301 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B6

E--> 303 <400> SEQUENCE: 13

305 gcataataat acatcggaga tacgtacgta catacatacc cctctcgatc acacgcacca 60  
 307 tcgatcgtac aaagtgtcgt acatacatat gtacacacat atacgcatac gcacgtacat 120  
 309 acatacataa ttaaaaaactc gtaattattt aaatacgtat ttgatggcat ctctaattga 180  
 311 acttgaggct ggtgaggatg ttgttgtgga cgggatcagc gaggtgatca agcaggttct 240  
 313 gcacggggcc aaccccggtg aagagcgcct ggacggagaa agccgggaag gcgagcat 298

316 <210> SEQ ID NO: 14

317 <211> LENGTH: 346

318 <212> TYPE: DNA

319 <213> ORGANISM: Oryza sativa nipponbare

321 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B7

E--> 323 <400> SEQUENCE: 14

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325 gacagggaaa cgatcgtagt gccagttcat gcactactca tatttgatat ggaggggaac 60
327 caagtttgat ctgacaccta ccttgataga tacacagcat aaaaggggca agttctacag 120
329 acctcagaag tttgttctgg actgcaatit acaagcaagg ggatgacagg gacgtcaagc 180
331 atgaacgatc ggagccaatg attcaccgtc tagtgacagt aatcagtttt gcgattgact 240
333 ctgattatct tgcttagtag ggctttgcag tgctgtcact ttttgcggct gtcgtcttct 300
335 cagcggcaga agtgaaagac acagggaggt gcggctggtc attcac 346
338 <210> SEQ ID NO: 15
339 <211> LENGTH: 295
340 <212> TYPE: DNA
341 <213> ORGANISM: Oryza sativa nipponbare
343 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B9
E--> 345 <400> SEQUENCE: 15
347 gggcgctcga aacttcaaaa ttctcattac aaaggatcga gaggaagaag gaagaagtct 60
349 ggggaaaatt tttggagcga ggtggagtta caaaggcagc agcagcagca gcttctacgt 120
351 tctcacttcc actggttggc gacgatgtcg gcgaggtcga ccacctctg cgggtatccc 180
353 cactcgttgt cggaccaggc gatgaccttc accatgtcgt cgcccatgac catgctgagc 240
355 gaccctgcca tgggtgcacga cacgtctgag cacctgaagt cgacggacac gagcg 295
390 <210> SEQ ID NO: 17
391 <211> LENGTH: 520
392 <212> TYPE: DNA
393 <213> ORGANISM: Oryza sativa nipponbare
395 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-C11
E--> 397 <400> SEQUENCE: 17
399 gtgagtaatg actaattgta taagaatcct atgaaagaaa tgttccacaa acgaaagaag 60
401 aatagaaaag tagtaaaaaa cactatgata gtgttttctt catcccctac agctgaacat 120
403 catgcactcc cgataagctc attgatcagc atgttcatgt tcatgttcat cgggactaat 180
405 cgtgctttcg atgtttatcc caatttcacc cctcaagaac ttggagtacc agtgagcaga 240
407 gagcttcggc tgccttggca aattggggtc ctcaaaatca acataatgca ggccgaatgg 300
409 cgaatgggat cctgctaaca gctcaaacac atcaagaaat gaccacacaa agtaaccctt 360
411 cacattggct ccattcctta gtgcagctag agtgcttccc atgtagctac tcaagtagtc 420
413 cactctatct gtgtcattga gtgaatcgtc gtccttaccg aaatgcccga aacctaaaat 480
415 atggtaaata gatgaacaaa aaaaaataga tcggtaaaga 520
482 <210> SEQ ID NO: 20
483 <211> LENGTH: 465
484 <212> TYPE: DNA
485 <213> ORGANISM: Oryza sativa nipponbare
487 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-C4
E--> 489 <400> SEQUENCE: 20
491 cccggaaaagc actttttaaag ggcttcatgc taattgataa tgtttcacgg ctcttcgaaa 60
493 catttgttta caattaccaa acaccagct ttaaatttac gtatgtatta caaactgctc 120
495 ccagattgat ttaaggataa aagagaagag tagaagatgt tcagagaaat ttcacagtac 180
497 cctcacaagc ctctattataa gtgcaaaggc aactgtttta tttatcgaac aaacagctat 240
499 ggagtggttt gatacttctc agaaaaaaaa aactaatggc cagaaatctc agaaacaatt 300
501 atgatgttgt gaacactgaa attaggctca tggttcaggt tgcaactttt cacattcttc 360
503 tcttatcgac tgaaaaagga tagatgaaag gtacctctca ccaaagcttg gaaacacaac 420
505 cactaccaac tttccagcat tttctggtct ttttgcaact ttaat 465
508 <210> SEQ ID NO: 21
509 <211> LENGTH: 201
510 <212> TYPE: DNA

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511 <213> ORGANISM: Oryza sativa nipponbare
513 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-C7
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519 cagtacatat acacttgaaa gaaagtctca atgatgcgca agcacaacaa tggcggcaaa 120
521 acctcggtag atcgatcgat cctcggaatt ctactcttcg tcgtcgacgc tgacaaactt 180
523 gccggtgccg gggttgatgg c 201
526 <210> SEQ ID NO: 22
527 <211> LENGTH: 526
528 <212> TYPE: DNA
529 <213> ORGANISM: Oryza sativa nipponbare
531 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D1
E--> 533 <400> SEQUENCE: 22
535 aggagaaacc aaactcaaaag ttgggttaat tagaggtatg tattaaggac cagaaatttc 60
537 ctttggaag gaaacaaaaa ggggctggga tttacatgtt catatacact ccatacaaga 120
539 tcttgatca tctgccctac caaagtacca accttaagtg cacagttttg ttttactaa 180
541 cttaaaatcc gaaaacctgg cacttataga acacctctgg atacctatcc atcgccgat 240
543 tcttaaccct aaatcctgaa cccgaaacca taaaagcgtc acaccttac ataaaaaatg 300
545 cttctgctat agctgcagat tgatcatctc agctcatgag tgattcataa ctttgctaat 360
547 cttgaagcat aaaaaagaga ggaggtgtct tgagccttca agaaacacgg agatttttgt 420
549 tccttggtgc acacagcttg ggtgcaggga gctttgagat tcttgacgag gcagggggag 480
551 ggcgcgcgaa actttcacga ggcgtgcac tggtcgagga ggatga 526
554 <210> SEQ ID NO: 23
555 <211> LENGTH: 244
556 <212> TYPE: DNA
557 <213> ORGANISM: Oryza sativa nipponbare
559 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D10
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563 gacggtggac aggctcttgt cgtcaataac ttcatttacg gtcgttgttt caccttcagt 60
565 ttcttcaatt gcagggtggag caaggaatgt gaatggaggc tggtaaagtc caggacaaaa 120
567 gctagcatat aaaccttgtc cagtttcatt ttacaaggaa gaattataat gtttacagct 180
569 gccacacaaa agctgactat ccttaccac atacaggcgc gtgggcaagt ttaacacaaa 240
571 ttgt 244
574 <210> SEQ ID NO: 24
575 <211> LENGTH: 479
576 <212> TYPE: DNA
577 <213> ORGANISM: Oryza sativa nipponbare
579 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D2
E--> 581 <400> SEQUENCE: 24
583 ggggggggttg gttttcactc aaacaagatt tcttcaagct ttgtaacctg atcagattac 60
585 atcataggag taccctacat aaatattgaa tcatgagaga gagagagaga taggcaatga 120
587 gtaccagtt tcagatcaga actgaaattc caaatgacag aaattagtca ctgtttcagg 180
589 aagtctgctg atattccaag ggttgctgcc ccttttgcat gttcagcagc agtttgtcat 240
591 ttgacaatat gctttgctga ttcgatgcat tgccctctcc agtaacagga gaggaaactg 300
593 aacatacaaa tatctagctt agctagctag ctacactcgt atgggcaatg gatgccaatt 360
595 gcatatgcct ctctgtagca actggaacga aaagcaaaac tgttcttctc atcctgtaca 420
597 tctccctgat catgcagcct gcagctacgt acgtgtttgt cgctgaccaa gtatttatc 479
630 <210> SEQ ID NO: 26
631 <211> LENGTH: 274

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632 <212> TYPE: DNA
633 <213> ORGANISM: Oryza sativa nipponbare
635 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D5
E--> 637 <400> SEQUENCE: 26
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641 aacataaaaa caccgaaacc ccatatggcc attatgccga tcctagccta gcttggcgag 120
643 gacatcgcca agagcagatt tgggtcaacgt gtagtacttc tccgcctctt cggggctctt 180
645 gatcttggct gcatggtcaa gcccctcaat ggtggcgaag agcttgccgg tgaggtcctt 240
647 gaggcccttc ttctcgtcct tgggcttggg gttg 274
650 <210> SEQ ID NO: 27
651 <211> LENGTH: 510
652 <212> TYPE: DNA
653 <213> ORGANISM: Oryza sativa nipponbare
655 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D8
E--> 657 <400> SEQUENCE: 27
659 gacttaacaa ccagacaggt gaacagcatt taactaacaa attaaactag aaataacatt 60
661 aagtttccat aggaggttta ctggctggac ggacatacat gtataaacca gttccaagtt 120
663 ccagccattt tgcaactaat gcaaaaccta tatgagaaag acctatagaa ttaccgggtt 180
665 cacaggagac gcttccacca tggaagcaga gggatgacca tggatgaactt taaaagctta 240
667 aggtgctctt tctttaaacg ctacaagttt attcttcagt actctcagta gtaccaattc 300
669 gagccgtcat tcttctgctg gccctgcatt gcgccggggt attcgacggc acctgacatg 360
671 ttgaaaccag agccgaacct gaactccgat gcgccattga tgcgcgccat ctggttaccg 420
673 aatggagtat cgtcgcggtg gaagaactgc tgctgtgccg ggggtgtctg ctgcggttgc 480
675 tgcacatgc cattgacatc ttcgaacaca 510

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/837,604

DATE: 01/02/2003

TIME: 09:24:45

Input Set : D:\Pa\_00346.rpt

Output Set: N:\CRF4\01022003\I837604.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240  
L:51 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:2  
L:73 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:3  
L:87 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4  
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:360  
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:180  
L:171 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:7  
L:189 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8  
L:213 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:9  
L:233 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:10  
L:259 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:11  
L:277 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:12  
L:303 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:13  
L:323 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:14  
L:345 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:15  
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:420  
L:397 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:17  
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:360  
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:480  
L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:240  
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:360  
L:489 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:20  
L:515 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:21  
L:533 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:22  
L:561 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:23  
L:581 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:24  
L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:360  
L:637 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:26  
L:657 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:27  
L:685 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:28  
L:727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:360  
L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:420  
L:741 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:30  
L:767 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:31  
L:795 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:32  
L:821 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:33  
L:843 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:34  
L:871 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:35  
L:893 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:36  
L:921 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:37  
L:943 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:38  
L:961 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:39  
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:360  
L:1011 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:41  
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:360  
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:420

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/837,604

DATE: 01/02/2003

TIME: 09:24:45

Input Set : D:\Pa\_00346.rpt

Output Set: N:\CRF4\01022003\I837604.raw

L:1061 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:43  
L:1085 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:44  
L:1113 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:45  
L:1137 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:46  
L:1165 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:47  
L:1187 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:48  
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:360  
L:1245 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:50  
L:1269 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:51  
L:1289 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:52  
L:1313 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:53  
L:1337 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:54  
L:1357 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:55  
L:1379 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:56  
L:1399 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:57  
L:1421 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:58  
L:1441 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:59  
L:1463 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:60  
L:1485 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:61  
L:1629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:240  
L:2005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:360  
L:2449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:420  
L:2507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:360  
L:2619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:360  
L:2703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:360  
L:2847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:480  
L:3187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:480  
L:3189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:540  
L:3493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:300  
L:3497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:420  
L:3811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:540  
L:3873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:0  
L:3933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:360  
L:4395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:360  
L:4397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:420  
L:4399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:480  
L:4445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:180  
L:4809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:360  
L:5025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:360  
L:5047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:0  
L:5083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:360  
L:5197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:360  
L:5589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:240  
L:5591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:300  
L:5709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:420  
L:6113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0  
L:6259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:420  
L:6399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:60  
L:6675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:300



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L:6787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:360  
L:7063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:270 after pos.:360  
L:7115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:272 after pos.:180  
L:7377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:300  
L:7379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:360